

Name: _____

p1103: Expand Product of Linear Binomials (v17)

Question 1

Expand the product of linear binomials. $(x + 2)(x + 1)$

$$x^2 + x + 2x + 2$$

$$x^2 + 3x + 2$$

Question 2

Expand the product of linear binomials. $(x - 7)(x + 7)$

$$x^2 + 7x - 7x - 49$$

$$x^2 - 49$$

Question 3

Expand the product of linear binomials. $(x - 6)(x + 1)$

$$x^2 + x - 6x - 6$$

$$x^2 - 5x - 6$$

Question 4

Expand the product of linear binomials. $(-x + 6)(-8x + 4)$

$$8x^2 - 4x - 48x + 24$$

$$8x^2 - 52x + 24$$

Question 5

Expand the product of linear binomials. $(9x - 5)(2x - 9)$

$$18x^2 - 81x - 10x + 45$$

$$18x^2 - 91x + 45$$

Question 6

Expand the product of linear binomials. $(x + 8)(x - 3)$

$$x^2 - 3x + 8x - 24$$

$$x^2 + 5x - 24$$

Question 7

Expand the product of linear binomials. $(7x - 8)(-4x - 5)$

$$-28x^2 - 35x + 32x + 40$$

$$-28x^2 - 3x + 40$$

Question 8

Expand the product of linear binomials. $(x + 3)(x + 7)$

$$x^2 + 7x + 3x + 21$$

$$x^2 + 10x + 21$$

Question 9

Expand the product of linear binomials. $(-9x + 5)(8x - 5)$

$$-72x^2 + 45x + 40x - 25$$

$$-72x^2 + 85x - 25$$

Question 10

Expand the product of linear binomials. $(-2x - 4)(-9x + 8)$

$$18x^2 - 16x + 36x - 32$$

$$18x^2 + 20x - 32$$